International Application No
PCT/EP2004/005239

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T. CLASSI	FICATION OF SUBJECT MATTER C12N9/90 C12P41/00 C12N5/10 C12N15/63	C1201/533	C12Q1/34	C12N15/61						
According to	International Patent Classification (IPC) or to both na	ational classification a	nd IPC							
B. FIELDS	SEARCHED									
Minimum da IPC 7	cumentation searched (classification system follower C12N C12Q	1 by classification sym	abots)							
	lion searched other than minimum documentation to t									
Electronic data base consulted during the International search (name of data base and, where practical, search terms used)										
EPO-In	ternal, BIOSIS, EMBASE, PAJ,	WPI Data,	CHEM ABS Data	, Sequence Search						
C DOCUM	ENTS CONSIDERED TO BE RELEVANT									
Category °	Citation of document, with indication, where approp	riate of the relevant r	agegange	Relevant to daim No.						
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Y	WO 01/23582 A (DEGUSSA ; (DE); ROCHE DIAGNOSTICS G 5 April 2001 (2001-04-05) the whole document	MBH (DE))	ART	1-4						
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X Furti	ner documents are listed in the continuation of box C.	X	Patent family members	are listed in annex.						
	tegories of cited documents:	T lat	er document published at	fter the international filing date conflict with the application but						
"A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier document but published on or after the international			nvention	nciple or theory underlying the						
filing d		C	annot be considered nov	vance; the claimed invention						
which	is cited to establish the publication date of another n or other special reason (as specified)	'Y' do	cument of particular rele	when the document is taken alone vance; the claimed invention volve an inventive step when the						
"O" docum other	ent referring to an oral disclosure, use, exhibition or means	ū	locument is combined wit nents, such combination i	h one or more other such docu- being obvious to a person skilled						
*P* docume later th	ent published prior to the international filing date but an the priority date claimed		n the art. Cument member of the si	ame patent family						
Date of the	actual completion of the international search	Da	ate of mailing of the interr	ational search report						
2	7 October 2004		2 1. 02 05							
Name and r	nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Au	Ithorized officer							
	NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Valcarcel,	R						

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	Debuggi to date No			
Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
SIEMANN M ET AL: "A D-SPECIFIC HYDANTOIN AMIDOHYDROLASE: PROPERTIES OF THE METALLOENZYME PURIFIED FROM ARTHROBACTER CRYSTALLOPOIETES"  JOURNAL OF MOLECULAR CATALYSIS. B, ENZYMATIC, ELSEVIER, AMSTERDAM,, NL, vol. 6, no. 3, 11 March 1998 (1998-03-11), pages 387-397, XP001104526 ISSN: 1381-1177 the whole document	2-4			
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	AMIDOHYDROLASE: PROPERTIES OF THE METALLOENZYME PURIFIED FROM ARTHROBACTER CRYSTALLOPOIETES" JOURNAL OF MOLECULAR CATALYSIS. B, ENZYMATIC, ELSEVIER, AMSTERDAM,, NL, vol. 6, no. 3, 11 March 1998 (1998-03-11), pages 387-397, XP001104526 ISSN: 1381-1177 the whole document  US 2003/059816 A1 (ROYER SYLVAIN ET AL) 27 March 2003 (2003-03-27)			

Form PCT/ISA/210 (continuation of second cheet) (January 2004)

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.:     because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.:     because they relate to parts of the international Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
Claims Nos.:     because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This international Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  1-4
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-4

Screening processes according to claims 1-4

2. claims: 5-8

Process for the preparation of improved hydantoin racemases according to claim 5, polypeptides obtainable by the process of claim 5 (or nucleic acids encding said polypeptides), and uses of said molecules.

3. claims: 9-14 (all partially)

Hydantoin racemases containing in the position 79 an amino acid as defined in claim 9; polynulceotide sequences encoding said racemases; whole cell catalysts, vectors and microorganisms comprising said sequences; and primers for the preparation of said polynucleotides.

4. claims: 9-14 (all partially)

Hydantoin racemases containing the consensus sequence as defined in claim 10; polynulceotide sequences encoding said racemases; whole cell catalysts, vectors and microorganisms comprising said sequences; and primers for the preparation of said polynucleotides.

5. claims: 9-14(all partially)

Hydantoin racemases encoded by the polynulceotide sequences SEQ ID NOs: 3, 5, 7, or 9; whole cell catalysts, vectors and microorganisms comprising said sequences; and primers for the preparation of said polynucleotides.

information on patent family members

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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